

## **CLAIMS**

1. A refrigerator having in a body of said refrigerator a refrigerating cycle sequentially connecting a compressor for varying capacity, a condenser, a drawing mechanism, and an evaporator with a hydrocarbon cooling medium used as a refrigerant, said refrigerator driving said compressor by high speed rotation for a predetermined period of time after turning on power.
2. A refrigerator having in a body of said refrigerator a refrigerating cycle sequentially connecting a compressor, a condenser, a drawing mechanism, and an evaporator with a hydrocarbon cooling medium used as a refrigerant, and a cooling fan for radiating heat from said compressor or said condenser, said refrigerator keeping said cooling fan stopped for a predetermined period of time after turning on power.
3. A refrigerator having in a body of said refrigerator a refrigerating cycle sequentially connecting a compressor, a condenser, a drawing mechanism, and an evaporator, installing a selection valve on an outlet side of said condenser, and

arranging a bypass pipe for interconnecting said selection valve and a suction side of said compressor with a hydrocarbon cooling medium used as a refrigerant, said refrigerator letting said refrigerant discharged from said condenser flow on said suction side of said compressor by operating said selection valve via said selection valve and said bypass pipe for a predetermined period of time after turning on power.

4. A refrigerator having in a body of said refrigerator a refrigerating cycle sequentially connecting a compressor, a condenser, a drawing mechanism, and an evaporator, installing an on-off valve on an outlet side of said condenser with a hydrocarbon cooling medium used as a refrigerant, said refrigerator keeping said on-off valve in a closed state for a predetermined period of time after turning on power.

5. A refrigerator having in a body of said refrigerator a refrigerating cycle sequentially connecting a compressor for varying capacity by controlling a DC brushless motor by power, a condenser, a drawing mechanism, and an evaporator with a hydrocarbon cooling medium used as a refrigerant, said

refrigerator supplying power only to two phases of said DC brushless motor of said compressor for a predetermined period of time after turning on power, thereby keeping said DC brushless motor away from rotation.

6. A refrigerator having a refrigerating cycle sequentially connecting a compressor, a condenser, a drawing mechanism, an evaporator, and an accumulator, an inlet temperature sensor and an outlet temperature sensor for detecting temperatures of an inlet and an outlet of said evaporator, and a cooling fan for cooling said compressor, wherein when a difference between said temperature detected by said inlet temperature sensor and said temperature detected by said outlet temperature sensor becomes a predetermined value or more, said cooling fan is stopped.

7. A refrigerator having a refrigerating cycle sequentially connecting a compressor, a condenser, a drawing mechanism, an evaporator, and an accumulator, an inlet temperature sensor and an outlet temperature sensor for detecting temperatures of an inlet and an outlet of said evaporator, an air temperature sensor for detecting an air temperature, and a cooling fan for cooling said compressor which is controlled so as

to be driven when at least said temperature detected by said air temperature sensor becomes a preset temperature or more, wherein when a difference between said temperature detected by said inlet temperature sensor and said temperature detected by said outlet temperature sensor becomes a predetermined value or more, said preset temperature is changed to a higher value.

8. A refrigerator having a refrigerating cycle sequentially connecting a compressor, a condenser, a drawing mechanism, an evaporator, and an accumulator, an air temperature sensor for detecting an air temperature, and a cooling fan for cooling said compressor which is controlled so as to be driven when at least said temperature detected by said air temperature sensor becomes a preset temperature or more, wherein said air temperature sensor is arranged in a neighborhood of a machine room.

9. The refrigerator according to any one of Claims 6 to 8, wherein a combustible cooling medium is used as a refrigerant of said refrigerating cycle.